

(FILE 'HOME' ENTERED AT 17:57:51 ON 01 OCT 2007)

FILE 'REGISTRY' ENTERED AT 17:57:56 ON 01 OCT 2007

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

Structure diagram not available for display

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 17:58:17 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 373 TO ITERATE

100.0% PROCESSED 373 ITERATIONS

43 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 6302 TO 8618

PROJECTED ANSWERS: 467 TO 1253

L2 43 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 17:58:22 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 7331 TO ITERATE

100.0% PROCESSED 7331 ITERATIONS

909 ANSWERS

SEARCH TIME: 00.00.01

L3 909 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 17:58:48 ON 01 OCT 2007

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FILE COVERS 1907 - 1 Oct 2007 VOL 147 ISS 15

FILE LAST UPDATED: 30 Sep 2007 (20070930/ED)

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by Prime Ex
P. Nazario-Gonzalez
10/1/07

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=> s 13

L4 921 L3

=> s 14 and py<=2002

22907975 PY<=2002

L5 543 L4 AND PY<=2002

=> s 15 and cyclopalladated

726 CYCLOPALLADATED

L6 6 L5 AND CYCLOPALLADATED

=> d 1-6 bib abs

L6 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:838393 CAPLUS

DN 138:187902

TI Cyclopalladated compounds with bridging and chelating diphosphine ligands. Effect of ring size. Crystal and molecular structure of $[\{Pd[4-(COH)C_6H_3C(H):N(Cy)-C_2,N](Cl)\}_2(\mu-Ph_2PCH_2PPh_2)]$

AU Ares, Raquel; Lopez-Torres, Margarita; Fernandez, Alberto; Castro-Juiz, Samuel; Suarez, Antonio; Alberdi, Gemma; Fernandez, Jesus J.; Vila, Jose M.

CS Departamento de Quimica Fundamental, Universidad de A Coruna, Coruna, 15071 A, Spain

SO Polyhedron (2002), 21(22), 2309-2315

CODEN: PLYHDE; ISSN: 0277-5387

PB Elsevier Science Ltd.

DT Journal

LA English

OS CASREACT 138:187902

AB Treatment of the chloro-bridged dinuclear compound $[\{Pd[4-(OHC)C_6H_3C(H):N(Cy)-C_2,N](\mu-Cl)\}_2(1)]$ with tertiary diphosphines in 1:1 molar ratio gave $[\{Pd[4-(OHC)C_6H_3C(H):N(Cy)-C_2,N](Cl)\}_2(\mu-Ph_2PXPPh_2)]$ (X: CH₂, 2; CH₂CH₂, 3; (CH₂)₄, 4; (CH₂)₆, 5; 1,1'-Fe(C₅H₄)₂, 6; trans-CH:CH, 7; C.tplbond.C, 8) with the diphosphine in a bridging mode. When the reaction was carried out in a 1:2 molar ratio in the presence of NH₄PF₆, the compds. $[Pd\{4-(OHC)C_6H_3C(H):NCy-C_2,N\}(Ph_2PX_1PPh_2-P,P)][PF_6]$ (X₁: CH₂, 9; CH₂CH₂, 10; (CH₂)₄, 11; (CH₂)₆, 12; 1,1'-Fe(C₅H₄)₂, 13; 1,2-C₆H₄, 14; cis-CH:CH, 15; NH, 16) with the diphosphine chelated to the palladium atom, were obtained. The prepared compds. were characterized with their ¹H, ³¹P-{¹H} and ¹³C-{¹H} NMR, IR and mass spectroscopic data. The crystal structure of compound 2 has been determined by x-ray crystallog.

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2001:879008 CAPLUS

DN 136:247675

TI Novel cyclopalladated ferrocenyl Schiff base compounds with bridging and chelating diphosphines. Crystal and molecular structure of $[\{Pd[(\eta^5-C_5H_5)Fe(\eta^5-C_5H_3)C(H):N-2,4,6-Me_3C_6H_2]\}\{Ph_2P(CH_2)_nPPh_2-P,P\}][PF_6]$ (n = 1, 2)

AU Vila, Jose M.; Gayoso, Eduardo; Pereira, Teresa; Marino, Marta; Martinez, Javier; Fernandez, Jesus J.; Fernandez, Alberto; Lopez-Torres, Margarita

CS Facultad de Quimica, Departamento de Quimica Inorganica, Universidad de Santiago de Compostela, Santiago de Compostela, E-15782, Spain

SO Journal of Organometallic Chemistry (2001), 637-639, 577-585

CODEN: JORCAI; ISSN: 0022-328X

PB Elsevier Science S.A.

DT Journal
LA English
OS CASREACT 136:247675
AB The reaction of the ferrocenylimine $(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\eta^5\text{-C}_5\text{H}_4)\text{C}(\text{H})\text{:NR}$ ($\text{R} = 2,4,6\text{-Me}_3\text{C}_6\text{H}_2$) with $\text{Pd}(\text{OAc})_2$ or with $\text{Li}_2[\text{PdCl}_4]$ leads to the heterotetrametallic compds. $[\text{Pd}\{(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\eta^5\text{-C}_5\text{H}_3)\text{C}(\text{H})\text{:NR}\}(\mu\text{-O}_2\text{CMe})]_2$ (1) and $[\text{Pd}\{(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\eta^5\text{-C}_5\text{H}_3)\text{C}(\text{H})\text{:NR}\}(\mu\text{-Cl})]_2$ (2), resp. Compound 2 may also be obtained by treatment of 1 with aqueous NaCl . Compound 2 reacts with tertiary diphosphines in 1:1 or 1:2 molar ratio to give $[\{\text{Pd}[(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\eta^5\text{-C}_5\text{H}_3)\text{C}(\text{H})\text{:NR}]\text{Cl}\}_2\{\mu\text{-Ph}_2\text{P}(\text{CH}_2)_n\text{PPh}_2\}]$ ($n = 1\text{-}4$), $[\{\text{Pd}[(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\eta^5\text{-C}_5\text{H}_3)\text{C}(\text{H})\text{:NR}]\text{Cl}\}_2(\mu\text{-Ph}_2\text{PC}_5\text{H}_4\text{FeC}_5\text{H}_4\text{PPh}_2)]$, and $[\text{Pd}\{(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\eta^5\text{-C}_5\text{H}_3)\text{C}(\text{H})\text{:NR}\}\{\text{Ph}_2\text{P}(\text{CH}_2)_n\text{PPh}_2\text{-P,P}\}] [\text{PF}_6]$ ($n = 1, 8; n = 2, 9; n = 3\text{-}4$), $[\text{Pd}\{(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\eta^5\text{-C}_5\text{H}_3)\text{C}(\text{H})\text{:NR}\}(\text{Ph}_2\text{PC}_5\text{H}_4\text{FeC}_5\text{H}_4\text{PPh}_2\text{-P,P})] [\text{PF}_6]$, resp. The crystal structures of compds. 8 and 9 were determined by x-ray crystallog.

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2001:543576 CAPLUS
DN 135:273066

TI Cleavage of the dimeric cyclopalladated $[\text{Pd}(\text{N,C-dmba})(\mu\text{-X})]_2$, ($\text{dmba} = \text{N,N-dimethylbenzylamine}$; $\text{X} = \text{SCN}$ and NCO) by diphosphines. Palladium(II) compounds with distinct structures in the solid-state and in solution

→ AU Ananias, Sandra R.; Mauro, Antonio E.; De Lucca Neto, Vicente A.
CS Instituto de Quimica de Araraquara, UNESP, Araraquara, 14801-970, Brazil
SO Transition Metal Chemistry (Dordrecht, Netherlands) (2001), 26(4-5), 570-573
CODEN: TMCHDN; ISSN: 0340-4285

PB Kluwer Academic Publishers
DT Journal
LA English
OS CASREACT 135:273066

AB The reactions of the pseudohalide-bridged dimer $[\text{Pd}(\text{N,C-dmba})(\mu\text{-SCN})]_2$ (1) ($\text{dmba} = \text{N,N-dimethylbenzylamine}$) with $\text{cis-Ph}_2\text{PCH:CHPPh}_2$ (cis-dppet) (1:1 molar ratio) and of $[\text{Pd}(\text{N,C-dmba})(\mu\text{-NCO})]_2$ (2) with $\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2$ (dppe) (1:2 molar ratio) gave mononuclear $[\text{Pd}(\text{C-dmba})(\text{SCN})(\text{cis-dppet})\cdot\text{H}_2\text{O}]$ (1a) and $[\text{Pd}(\text{C-dmba})(\text{NCO})(\text{dppe})]$ (2a), resp., with the diphosphines acting as chelating ligands. Reaction of (2) with $\text{Fe}(\text{C}_5\text{H}_4\text{PPh}_2)_2$ (dppf) (1:1 molar ratio) yielded $[\{\text{Pd}(\text{N,C-dmba})(\text{NCO})\}_2(\mu\text{-dppf})]$ (2b), a bimetallic species containing two Pd atoms bridged by the diphosphine, whereas reaction in a 1:2 molar ratio gave the mononuclear $[\text{Pd}(\text{N,C-dmba})(\text{dppf})][\text{NCO}\cdot\text{CH}_2\text{Cl}_2]$ (2c), with the diphosphine acting as a chelating ligand. The compds. were characterized by elemental anal., IR, $^{31}\text{P}\{^1\text{H}\}$, ^{13}C - and ^1H -NMR spectroscopies. Conductivity measurements together with spectroscopic data showed that (1a) and (2a) do not have the same structure in the solid state and in MeCl solution, whereas for compds. (2b) and (2c) no structural changes were observed when the solids were dissolved in MeCl .

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2000:665349 CAPLUS
DN 133:362832

TI Synthesis and single-crystal X-ray diffraction studies of new cyclometallated phenylimidazole palladium(II) compounds

AU Lousame, Mariela; Fernandez, Alberto; Lopez-Torres, Margarita; Vazquez-Garcia, Digna; Vila, Jose M.; Suarez, Antonio; Ortigueira, Juan M.; Fernandez, Jesus J.

CS Departamento de Quimica Inorganica, Universidad de Santiago de Compostela,

Santiago de Compostela, E-15706, Spain
 SO European Journal of Inorganic Chemistry (2000), (9), 2055-2062
 CODEN: EJICFO; ISSN: 1434-1948
 PB Wiley-VCH Verlag GmbH
 DT Journal
 LA English
 OS CASREACT 133:362832
 AB Cyclometalation of 1,4,5-trimethyl-2-phenylimidazole, L, with Pd(OAc)₂ gave exclusively the dinuclear anti isomer with bridging acetate ligands, 1. Subsequent treatment of 1 with NaCl gave the corresponding dinuclear compound with bridging chloride ligands, 2. Treatment of 2 with mono or diphosphines led to partial or total bridge-splitting reactions, yielding mono or polynuclear compds., depending on the Pd/phosphine ratio and the nature of the phosphine. The structure of 1 of these, $[\{Pd[o-C_6H_4C:NC(Me):C(Me)NMe]\}\{Ph_2PC(:CH_2)PPh_2-P,P'\}\}(CF_3SO_3)]$ 7 was determined by x-ray diffraction anal. Compds. 1 and 2 react with triphos to give the mononuclear compound, $[\{Pd[o-C_6H_4C:NC(Me):C(Me)NMe]\}\{(Ph_2PCH_2CH_2)_2PPh-P,P'-P''\}(ClO_4)]$ 10, in which the phosphine acts as a terdentate ligand. The crystal structure of 10 confirms the pentacoordination of the Pd(II) center, involving a long Pd-N interaction.
 RE.CNT 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2000:172553 CAPLUS
 DN 132:321958
 TI Reaction of di- μ -dichloro-bis(N,N-dimethylbenzylamine-C₂,N)dipalladium(II) with diphosphines. Six-membered ring complexes bearing spiro rings
 AU Ma, Jian-Fang; Yamamoto, Yasuhiro
 CS Faculty of Science, Department of Chemistry, Toho University, Miyama, Funabashi, Chiba, Japan
 SO Inorganica Chimica Acta (2000), 299(2), 164-171
 CODEN: ICHAA3; ISSN: 0020-1693
 PB Elsevier Science S.A.
 DT Journal
 LA English
 AB Reactions of $[Pd(C_6H_4CH_2NMe_2-C_2,N)(\mu-Cl)]_2$ with diphosphines (diphos) such as dppf (a), dpmpf (b), dppm (c), dppe (d) and dppp (e) gave $[PdCl(C_6H_4CH_2NMe_2-C_2,N)]_2(\mu-diphos)$ (2). Complexes 2 (a, b, d, e) reacted with NaPF₆ to produce chelate complexes $[Pd(C_6H_4CH_2NMe_2-C_2,N)(diphos-P,P')][PF_6]$ (3), whereas 2c gave a six-membered ring complex $[Pd_2(C_6H_4CH_2NMe_2-C_2,N)_2(\mu-Cl)(\mu-dppm)][PF_6]$ (4c) bearing two exocyclic rings shared by each palladium atom. This complex was regenerated to 2c by treatment with $[NEt_3(CH_2Ph)]Cl$. Treatment of 3 (a, d, e) with one equivalent of aqueous HCl caused protonation at the coordinate nitrogen atom to yield $[Pd(C_6H_4CH_2NHMe_2-C_2)(Cl)(diphos-P,P')][PF_6]$ (5) (a, d, e). Reaction of 4c with aqueous HCl in a 1:1 molar ratio led to protonation at one C-N chelating ring to give $[Pd_2(Cl)(C_6H_4CH_2NMe_2-C_2,N)(C_6H_4CH_2NHMe_2-C_2)(\mu-Cl)(\mu-dppm)][PF_6]$ (6c). The structures of 2a, 3e, 4c, 5a and 6c were confirmed by x-ray analyses.
 RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

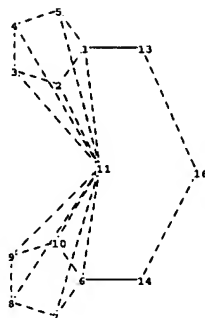
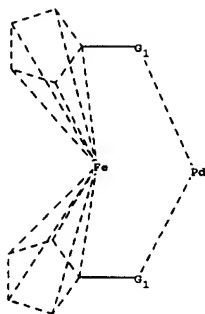
L6 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1998:718833 CAPLUS
 DN 130:139427
 TI Synthesis and electrospray mass spectrometry of palladium(II) diphosphine complexes from oxidative addition of 2-bromopyridine to Pd⁰
 AU Chin, Clavius C. H.; Yeo, Jeremy S. L.; Loh, Z. H.; Vittal, J. J.; Henderson, W.; Hor, T. S. Andy
 CS Faculty of Science, Department of Chemistry, National University of Singapore, Kent Ridge, 119260, Singapore
 SO Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry

(1998), (22), 3777-3784
CODEN: JCOTBI; ISSN: 0300-9246

PB Royal Society of Chemistry
DT Journal
LA English

AB Oxidative addition reactions of palladium(0) phosphine complexes with 2-bromopyridine gave a series of structurally distinctive complexes, namely trans-(N,P)-[Pd₂Br₂(PPh₃)₂(μ-C₅H₄N-C₂,N)₂] 1, [Pd₂(μ-C₅H₄N-C₂,N)₂(μ-dppm)₂]Br₂ 2, [Pd₂(η¹-dppp)₂(μ-C₅H₄N-C₂,N)₂(μ-dppp)]Br₂ 3, trans-[[PdBr(η¹-C₅H₄N-C₂)(μ-dppb)]_n] 4, trans-(N,P)-[Pd₂Br₂(μ-C₅H₄N-C₂,N)₂(μ-dppb)] 5 and cis-[PdBr(η¹-C₅H₄NH-C₂)(η²-dppf)]Br 6 [Ph₂P(CH₂)_nPPh₂, n = 1 (dppm), 3 (dppp), 4 (dppb); dppf = Fe(Ph₂PC₅H₄)₂]. Similarly, trans-(N,P)-[Pd₂Cl₂(μ-C₉H₆N-C₂,N)₂(μ-dppb)] 7 has been obtained from 2-chloroquinoline and [Pd(dppb)₂]. An array of structural possibilities is envisaged based on the different co-ordination modes of the pyridine (C or/and N bonded; terminal or bridging; pyridyl, pyridine or pyridinium), phosphine (terminal, bridging or chelating) bromide (terminal or ionized) ligands. Complexes 2 and 3, but not the others, can be obtained from phosphine exchange reactions of 1. Complexes 5 and 6 were analyzed by x-ray single-crystal crystallog. methods. The former reveals a dinuclear structure with a dppb ligand bridging diagonally two metals that are juxtaposed by two syn-bridging pyridyl groups. It represents an unusual dinuclear core stabilized by two types of bridging ligands of contrasting steric and geometric demands. The latter shows a cationic and mononuclear square planar palladium(II) complex containing a chelating dppf, terminal bromide and an unusual C-bonded pyridyl group with the N-site protonated. The fragmentation of these complexes was investigated by electrospray mass spectrometry under different cone voltages. Breakdown of the dinuclear framework is facilitated by addition of H-Br to the N-Pd bonds of the bridging pyridyl group.

RE.CNT 86 THERE ARE 86 CITED REFERENCES AVAILABLE FOR THIS RECORD
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ring nodes :
1 2 3 4 5 6 7 8 9 10 11 13 14 16

ring bonds :
1-2 1-5 1-11 1-13 2-3 2-11 3-4 3-11 4-5 4-11 5-11 6-7 6-10 6-11 6-14 7-8 7-11 8-9 8-11
9-10 9-11 10-11 13-16 14-16

exact/norm bonds :
1-2 1-5 1-11 1-13 2-3 2-11 3-4 3-11 4-5 4-11 5-11 6-7 6-10 6-11 6-14 7-8 7-11 8-9 8-11
9-10 9-11 10-11 13-16 14-16

G1:N,P,As,Bi,Sb

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 13:Atom
14:CLASS16:Atom

(FILE 'HOME' ENTERED AT 18:10:33 ON 01 OCT 2007)

FILE 'REGISTRY' ENTERED AT 18:10:45 ON 01 OCT 2007

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

Structure diagram not available for display

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 18:11:11 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 19 TO ITERATE

100.0% PROCESSED 19 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 119 TO 641

PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 18:11:16 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 483 TO ITERATE

100.0% PROCESSED 483 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

L3 6 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

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=> s 13

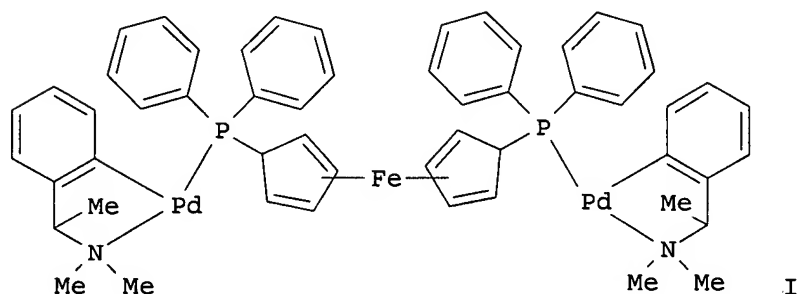
L4 2 L3

=> d 1-2 bib abs

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:731550 CAPLUS
DN 145:348018
TI Biphosphinic palladacycle complex mediates lysosomal-membrane
permeabilization and cell death in K562 leukaemia cells
AU Barbosa, Christiano M. V.; Oliveira, Carlos R.; Nascimento, Fabio D.;
Smith, Mickaela C. M.; Fausto, Daniela M.; Soufen, Marco Antonio; Sena,
Eliana; Araujo, Ronaldo C.; Tersariol, Ivarne L. S.; Bincoletto, Claudia;
Caires, Antonio C. F.
CS Centro Interdisciplinar de Investigacao Bioquimica (CIIB), Universidade de
Mogi das Cruzes (UMC), Mogi das Cruzes, SP, Brazil
SO European Journal of Pharmacology (2006), 542(1-3), 37-47
CODEN: EJPHAZ; ISSN: 0014-2999
PB Elsevier B.V.
DT Journal
LA English
AB The cell death mechanism of cytotoxicity induced by the Biphosphinic
Palladacycle Complex (BPC) was studied using a K562 leukemia cell line.
The IC50 values obtained for K562 cells post-72 h of BPC were less than
5.0 µM by using 3-[4,5-dimethylthiazol-2-yl]-2,5-diphenyl tetrazolium
bromide (MTT) and trypan blue assays. Using the Acridine Orange vital
staining combining fluorescence microscopy it was observed that the complex
triggers apoptosis in K562 cells, inducing DNA fragmentation, as analyzed
through electrophoresis. Lysosomal-membrane permeabilization was also
observed in K562 cells post-5 h of BPC, which suggests intralysosomal
accumulation by proton-trapping, since its pKa value ranged from 5.1 to
6.5. Caspase-3, and -6 activity induced by BPC in K562 cells was
prevented by the cathepsin-B inhibitor [N-(L-3-trans-propylcarbamoyl-
oxirane-2-carbonyl)-L-isoleucyl-L-proline] (CA074). These events occurred
in the presence of endogenous bcl-2 and bax expression. Acute toxicol.
studies demonstrated that BPC produces no lesions for liver and kidney
fourteen-days after drug administration (100 mg/kg - i.p.). White and red
blood cells of BPC-treated mice presented normal morphol. characteristics.
Taken together, these data suggest a novel lysosomal pathway for
BPC-induced apoptosis, in which lysosomes are the primary target and
cathepsin B acts as death mediator.
RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

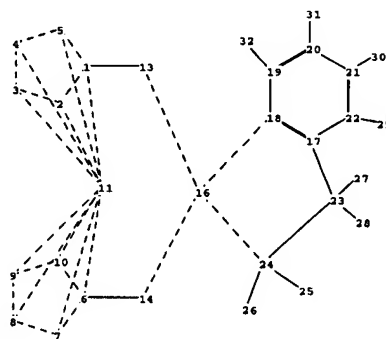
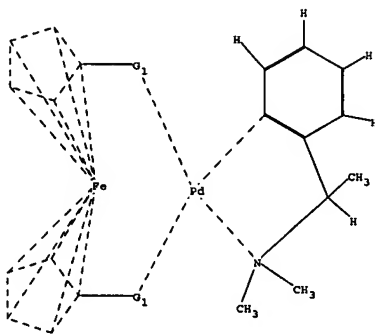
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:203652 CAPLUS
DN 140:229479
TI Cyclic palladium compounds having coordinated
bis(diphenylphosphine)ferrocene ligands which inhibit the activity of
proteins and enzymes, and treatment of diseases and disorders associated
therewith
IN Caires, Antonio Carlos Favero; Trindade, Claudia Bincoletto; Tersariol,
Ivarne Luis dos Santos
PA Fundacao de Amparo a Pesquisa do Estado de Sao Paulo - FAPESP, Brazil
SO PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI	WO 2004019924	A1	20040311	WO 2003-BR120	20030822
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	BR 2002004160	A	20040601	BR 2002-4160	20020830
	CA 2496681	A1	20040311	CA 2003-2496681	20030822
	AU 2003254432	A1	20040319	AU 2003-254432	20030822
	EP 1534257	A1	20050601	EP 2003-790577	20030822
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	CN 1741797	A	20060301	CN 2003-824724	20030822
	JP 2006510584	T	20060330	JP 2004-531314	20030822
	US 2006106100	A1	20060518	US 2005-525781	20050920
PRAI	BR 2002-4160	A	20020830		
	WO 2003-BR120	W	20030822		
OS	MARPAT 140:229479				
GI					



AB The invention discloses cyclopalladated compds. containing bis(diphenylphosphine)ferrocene ligands, and their analogs, which are active inhibitors of proteins and enzymes, e.g. those of the serine peptidase, cysteine protease, metalloprotease and endopeptidase families, involved in the development and metastases of malignant tumors, e.g. of the thyroid. An exemplary compound is I. The compds. are able to modulate the immunol. system due to their action on the enzymes and their interaction with DNA mols. Compound preparation is included.

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ALL CITATIONS AVAILABLE IN THE RE FORMAT



chain nodes :
25 26 27 28 29 30 31 32

ring nodes :
1 2 3 4 5 6 7 8 9 10 11 13 14 16 17 18 19 20 21 22 23 24

chain bonds :
19-32 20-31 21-30 22-29 23-27 23-28 24-25 24-26

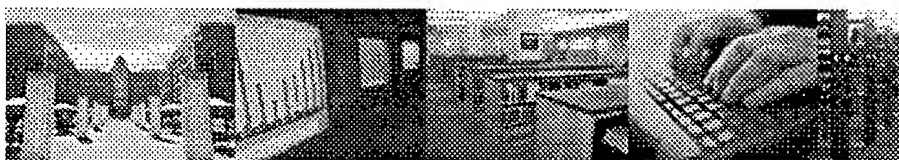
ring bonds :
1-2 1-5 1-11 1-13 2-3 2-11 3-4 3-11 4-5 4-11 5-11 6-7 6-10 6-11 6-14 7-8 7-11 8-9 8-11
9-10 9-11 10-11 13-16 14-16 16-18 16-24 17-18 17-22 17-23 18-19 19-20 20-21 21-22 23-24

exact/norm bonds :
1-2 1-5 1-11 1-13 2-3 2-11 3-4 3-11 4-5 4-11 5-11 6-7 6-10 6-11 6-14 7-8 7-11 8-9 8-11
9-10 9-11 10-11 13-16 14-16 16-18 16-24 17-23 19-32 20-31 21-30 22-29 23-24 23-27 23-28
24-25 24-26

normalized bonds :
17-18 17-22 18-19 19-20 20-21 21-22

G1:N,P,As,Bi,Sb

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 13:Atom
14:CLAS\$16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS
26:CLAS\$27:CLAS\$28:CLAS\$29:CLAS\$30:CLAS\$31:CLAS\$32:CLASS

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Application Number: 10/525781

Author (if known): Ananias et al.
Article or Chapter Title: Cleavage of the dimeric cyclopalladated [Pd(N, C-dmba)]
Journal or Book Title: Transition Metal chemistry
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Year of Publication: 2001
Page numbers: 570-573
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